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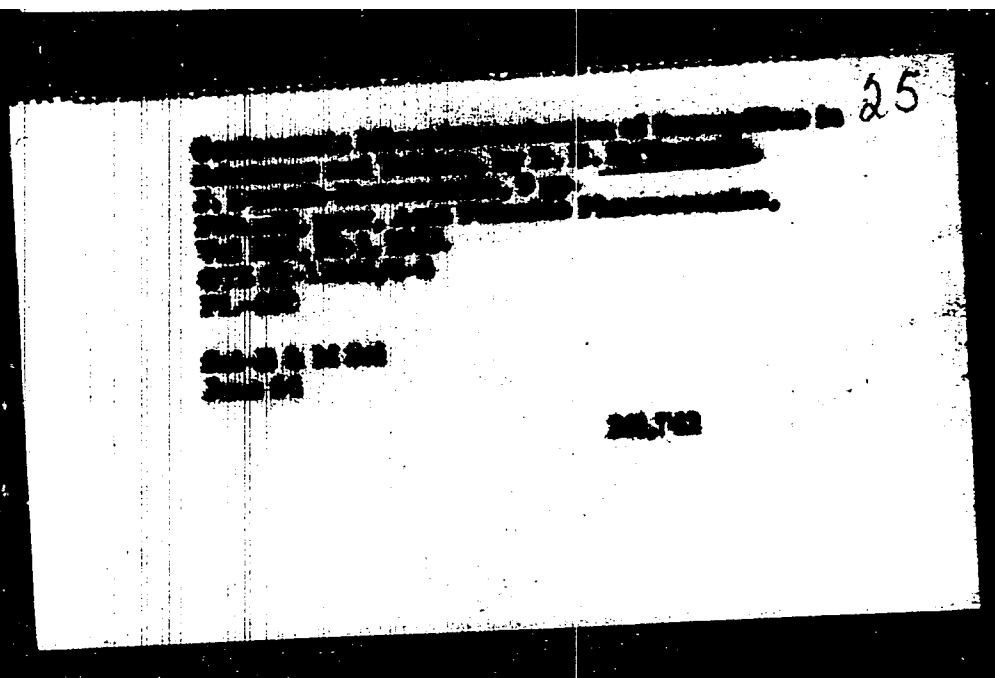
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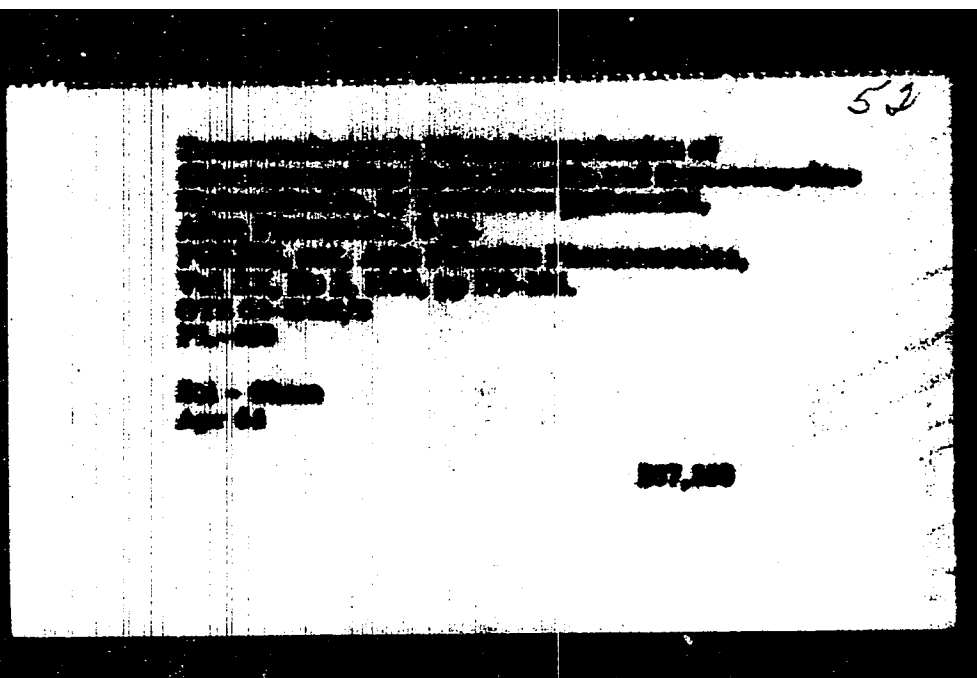
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Order from OTS or SLA \$2.60

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DESCRIPTORS: Ions, Reduction, *Electrolysis,
*Peroxydisulfates, Adsorption.

The electroreduction of $S_2O_8^{--}$ ions at a mercury elec-
trode is retarded by adsorbing anions. The rate of this
reaction at a positively charged surface depending on
the nature of the indifferent electrolyte, follows the
order $Na_2SO_4 > KCl > KBr > KI$. In passing from
0.01 N Na_2SO_4 to 0.01 N KI , for this reaction, provided
the respective current density is 0.8 of the limiting re-
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